

## WHAT IS CLAIMED IS:

1. A solar cell module-mounting structure comprising: a plate-shaped member having a solar cell module fixed on one surface thereof, a first support, and a second support member, wherein said plate-shaped member is placed on an installation surface so that one side of said plate-shaped member is in contact with the installation surface, a surface of said plate-shaped member opposite to the solar cell module-fixing surface is in contact with said first support member, and out of surfaces including said one side of said plate-shaped member, at least a part of the surfaces in no contact with said first support member is in contact with said second support member.

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2. The solar cell module-mounting structure according to claim 1, wherein said second support member is a support member in contact with a surface of a second plate-shaped member opposite to a solar cell module-fixing surface of said second plate-shaped member to support said second plate-shaped member.

3. The solar cell module-mounting structure according to claim 1, wherein said plate-shaped member is cast from a concrete material.

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4. The solar cell module-mounting structure according to claim 1, wherein said plate-shaped member and said support member have the same shape and are made of the same material.

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5. The solar cell module-mounting structure according to claim 1, wherein said solar cell module is fixed to said plate-shaped member with an adhesive.

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6. The solar cell module-mounting structure according to claim 5, wherein said adhesive is an elastic adhesive.

7. The solar cell module-mounting structure according to claim 5, wherein said adhesive is provided at a surrounding part of said solar cell module.

8. The solar cell module-mounting structure according to claim 1, wherein said solar cell module is composed of amorphous silicon formed on a stainless steel substrate.

9. The solar cell module-mounting structure according to claim 1, wherein an insulating member is placed between said one side of the plate-shaped member to be brought into contact with said

installation surface and said installation surface.

10. The solar cell module-mounting structure  
according to claim 1, wherein said one side has a  
5 predetermined width.

11. A solar cell module array comprising the  
solar cell module-mounting structure according to  
claim 1.

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12. A photovoltaic power generation system  
comprising a solar cell module array according to  
claim 11 and a power conditioner.